



**FORENSIC
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Curriculum Vitae for Douglas Byron, F-ABC Forensic Chemist

FORENSIC AND SCIENTIFIC TESTING, INC. (FAST, INC.) is an ISO 17025:2005 accredited laboratory specializing in Fire Debris Analysis and support for fire investigators and adjusters in the United States and abroad, performing over 100,000 ignitable liquid determinations. FAST, Inc. services include the following:

- State of the art analyses
- Quick turn-around time with written reports
- Court qualified personnel in domestic and international courts
- Investigator training
- Competitive prices

Experience:

1995– Present: Douglas Byron is President and Forensic Chemist for Forensic and Scientific Testing, Inc.; casework throughout the United States, including over 50,000 fire debris analyses for ignitable liquid residues with extensive gas chromatographic, chemical, and instrumental identification of a wide range of ignitable liquid residues. He is also court qualified in over 15 States throughout the United States and S.E. Asia.

1992 – 1994: Laboratory Technician for Forensic and Scientific Testing, Inc.

1990 – 1991: Member of the hazardous material team for Morgan Environmental

Education:

Bachelor of Science in Chemistry, University of Georgia, 1996.

Bachelor of Science in Biology, University of Georgia, 1995.

Associate of Arts, Skyline College, San Bruno, California, 1992.

Professional Certification:

Certified Fellow in Fire Debris Analysis (Certificate #: 1436) by the American Board of Criminalistics (ABC) 2007

Professional Development:

AAFS 62nd Annual Meeting Chicago, Ill February, 2010
AAFS 60th Annual Meeting Workshop #22 Don't bomb in Court February, 2008
Certificate in Vehicle Investigation-Death & Injury, Tunica, MS., March 2006
Certificate in fire investigation techniques training, McDonough, GA., March 2006
AAFS 58th Annual Meeting Workshop #23 Interferences in Fire Debris Analysis and Interpretation of Data From Complex Samples February 2006
TWGFEX Symposiums on Fire and Explosion Debris Analysis and Scene Investigation (2001, 2002, and 2003.)
Refinery Processes Workshop, MAAFS, SAFS Annual Meeting, April 2001.
1997 PITCON course in Mass Spectrometry.
Certificate in Mobile Home Fires, AAI, Gulf Shores, Alabama, February, 1996.
Certificate in Electrical Fires, IAAI, Nashville, Tennessee, January, 1996.
Atlanta Fire Debris Discussion Group and Proficiency Testing (1995-Current)

Presentation History:

Fire Debris Analysis 31st Annual Training Conference. FACAP Nov 2008
Sources of vegetable and animal oils from fire debris samples; Workshop #17 59th annual AAFS meeting, San Antonio, Texas. February 2007
Sample extraction, preparation, and analysis of vegetable oils from fire debris samples: Workshop #17 59th annual AAFS meeting, San Antonio, Texas. February 2007
Forensic fire debris analysis, American Chemical Society, Atlanta, GA, Jan 2007
Guest Lecturer, Georgia Perimeter College, Introduction to Forensic Science, 2005-2006
Tri State Fire Investigators Association, October meeting, Sampling Concrete, 2005
M.F.I.A. June Meeting, Vegetable Oil Analysis 2005
G.F.I.A August Seminar, Collect, Preservation and Testing Fire Debris 2004
Texas Criminal Defense Lawyers Association, Laboratory reviews for Lawyers 2004
GFIA, March Seminar, Forensic Science and Fire Investigations 2002.
Alabama Association of Arson Investigators Fall Seminar, "Laboratory Standards and Changes", 2001
Mississippi Fire Investigators Association Spring Seminar, "Laboratory Purpose and Negative Samples" 2001,
Lanier Technical Institute, Fire Science Program, Fire Investigation Class 1999 and 2000

Professional Association Memberships:

American Board of Criminalistics (ABC)
IAAI Forensic Science Committee and Editorial Review Committee 2003-current
TWGFEX Ignitable Liquids Reference Collection Committee 2002-current
American Academy of Forensic Science (AAFS) 2001-current
Georgia Metro Fire Investigators Association (Past President) 2001
Georgia Fire Investigators Association (President) 2009
Southern Association of Forensic Scientists 1998- current
ASTM Committee E-30 on Forensic Sciences 1998-current
International Association of Arson Investigators (IAAI) 1995-current

Professional Publications:

Stauffer E and Byron D. (2007) Alternative fuels in fire debris analysis: biodiesel basics, *Journal of Forensic Sciences*, 52(2), pp 371-379.

“Soot V. Ash Damage: A Scientific Analysis”, California Adjusters’ Almanac 2005, page 61-64

“An Introduction to the New Ignitable Liquid Absorbent (ILA), Fire and Arson Investigator Magazine, IAAI, Volume 54, Number 3, Page 31, January, 2004.

“Kerosene vs. Kerosene”, Fire and Arson Investigator Magazine, IAAI, Volume 49, Number 3, Page 5.

“The Effects of Surfactants and Microbes on the identification of Ignitable Liquids”, Georgia Fire Trailer News, Volume 6, Number 3, Pages 6-7. Also published in Fire and Arson Investigator Magazine, IAAI, Volume 53, Number 1, Page 50.

“A Word about the Technical Working Group for Fire and Explosions (TWGFEX)”, Metro District News, Volume 3, Pages 1 – 6.